

GENEON

GeneON GmbH – Germany - Paracelsusstraße 10; D-67071 Ludwigshafen info@geneon.net - www.geneon.net

MATERIAL SAFETY DATA SHEET

Date Revised: May 24, 2023

1. PRODUCT AND COMPANY INFORMATION

Product Name: Gel RedSafer Nucleic Acid Stain, 10,000X in water
Catalog Number: S445 S445L
Unit Size: 0.5 mL 5x0,5 ml
Manufacturer/Supplier: GeneON GmbH
Paracelsusstraße 10
67071 Ludwigshafen
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2. COMPOSITION AND INFORMATION ON INGREDIENTS

Hazardous / Non-hazardous Components

POS	CAS-NR	CHEMICAL NAME
1	15176-29-1	EDU
2	7732-18-5	Water
3	6066-82-6	N-Hydroxysuccinimide; 1-Hydroxy-2,5-pyrrolidinedione
4	50-81-7	Vitamin C
5	12179-39-4	PBS 1x
6	23491-52-3	Hoechst 33342

3. HAZARDS IDENTIFICATION

European labeling in Accordance with EC Directives 1272/2008/EC

Classification

GHS label element, including precaution statement

Pictogram None Signal word

None

Hazard statements None

Indication of danger:

Not hazardous

R-phrases(s) None

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4. FIRST AID MEASURES

Skin contact:	Wash off with plenty of water
Eye contact:	Rinse thoroughly with plenty of water
Ingestion:	Never give anything by mouth to an unconscious person
Inhalation:	Move to fresh air
Medical treatment:	Treat symptomatically

5. FIRE FIGHTING MEASURES

Use carbon dioxide, dry chemical extinguishers, foam extinguishers or water. An approved self-contained breathing apparatus and protective clothing are recommended.

6. ACCIDENTAL RELEASE MEASURES

Use personal protective equipment. Soak up spilled substance with inert absorbent material.

7. HANDLING AND STORAGE

Store at room temperature. Avoid long-term light exposure

8. EXPOSURE CONTROLS AND PERSONAL PROTECTION

Exposure limits

Chemical name	EU OEL(TWA)	EUOEL(STEL)	EU Skin Notation	Austria OEL (MAK)	Belgium (TWA)	Denmark (TWA)	Finland OEL (TWA)
Water	-	-	-	-	-	-	-
GelRed	-	-	-	-	-	-	-

Chemical name	France OEL (VME)	Germany OEL (TWA)	Ireland(TWA)	Italy OEL (TWA)	Netherlands OEL (MAC)	Spain OEL (TWA)	United Kingdom
Water	-	-	-	-	-	-	-
GelRed	-	-	-	-	-	-	-

ACGIH/OSHA Permissible Exposure Limit Data: Not determined

Engineering measures: No special precautions required.

Personal protective equipment

Respiratory protection: No special protective equipment required.
Hand protection: Protective gloves

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Eye protection:	Safety glasses with side- shields
Skin and body protection:	Lightweight protective clothing
Hygiene measures:	Handle in accordance with good industrial hygiene and safety practice

Environmental exposure controls: No special environmental precautions required

9. PHYSICAL AND CHEMICAL PROPERTIES

Form:	Dark Red liquid
Odor:	Not determined
Solubility in Water:	Miscible
Specific Gravity:	Not determined
pH:	Neutral
Boiling Point:	Not determined
Melting Point:	Not determined
Flash Point:	Not determined
Vapor Pressure:	Not determined

10. STABILITY AND REACTIVITY

Thermal Decomposition:	No decomposition if used according to specifications
Dangerous Products of Decomposition:	No dangerous decomposition products identified Polymerization: Hazardous polymerization does not occur
Stability:	Stable

11. TOXICOLOGICAL INFORMATION

RTECS Number:	None known
Acute Toxicity:	Toxicity data: LC ₅₀ >750mg/L. Acute toxicity test, fathead minnows, 96 hour exposure, 100% survival

Potential Health Hazards:

Eyes	No information available	Skin	No information available
No information available	Inhalation	No information available	No information available
available	Ingestion	No information available	No information available

Carcinogenicity: Not listed by NTP, IARC or OSHA

Mutagenicity:

Bacterial Reverse Mutation Screening Assay(Ames assay)

Negative with or without S9 metabolic activation on histidine dependent Salmonella typhimurium strain (TA98)

Reproductive toxicity:	No information available
Sensitization:	No Information available

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12. ECOLOGICAL INFORMATION

Ecotoxicity effects:	Contains no substances known to be hazardous to the environment or not degradable in waste Water treatment plants
Aquatic toxicity:	
Test organism:	Fathead minnow
Test method:	EPA600/4-85/013
Result:	Not hazardous or toxic to aquatic life according to CCR Title 22 Hazardous Waste Characterization guidelines
Mobility:	Completely soluble
Biodegradation:	Inherently biodegrade
Bioaccumulation:	Does not bioaccumulate

13. DISPOSAL CONSIDERATIONS

Consult local, state or national regulations for proper disposal.

14. TRANSPORT INFORMATION

IATA

Hazards Class:	Not classified as hazardous during transportation
Subsidiary Class:	No information available Identification
Number:	No information available
Packing Group:	Not classified
Proper Shipping Name (Technical Name):	Not classified as dangerous in the meaning of transport regulations

15. REGULATIONS

US Toxic Substances Control Act (TSCA): Not listed

US Other: Not applicable

EEC EINECS Number: Not identified

EEC Risk Statements: None identified

European labeling in Accordance with EC Directives 1272/2008/EC

Indication of danger

Not hazardous

R-phrases

None

S-phrases

None

International Inventories Not listed

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16. OTHER INFORMATION

Disclaimer: The information provided above is believed to be correct to our best knowledge, but does not purport to be all inclusive, and shall be used only as a guide. This material is sold for research purposes only and is not required to appear on the TSCA inventory. It is not intended for food, drug, household, agricultural or cosmetic use. Its use must be supervised by a technically qualified individual experienced in handling potentially hazardous chemicals. GeneON shall not be held liable for any damage resulting from handling or contact with the above product.